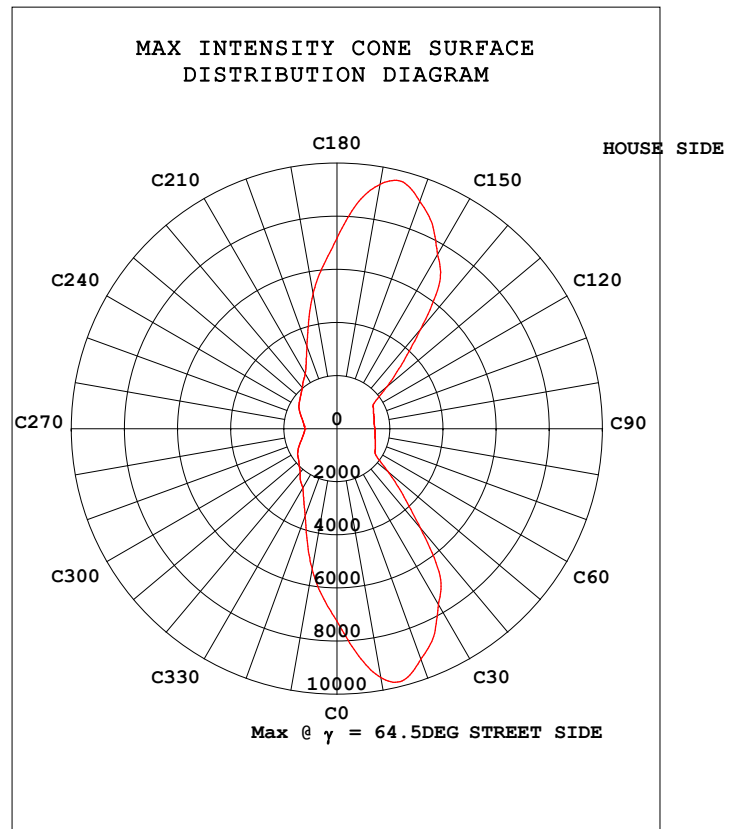
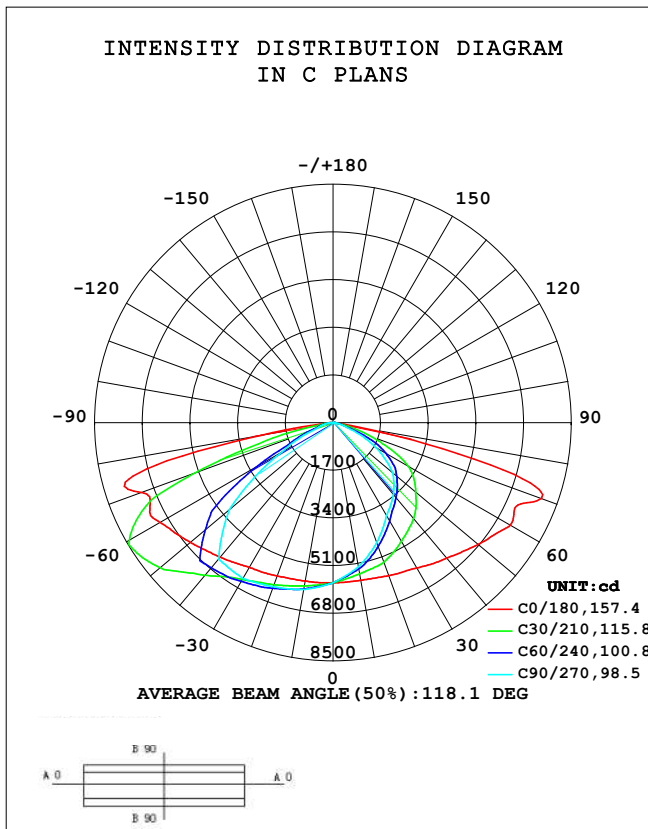


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.8V I:0.6853A P:149.2W PF:0.9858 Lamp Flux:22321.4x1 lm		
NAME: OPCITYIII-150W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 149.61 lm/W			
MODEL	LED	Imax (cd)	9790	$\eta$ street_up (%)	0.0
NOMINAL POWER (W)	150	LOR (%)	100.0	$\eta$ street_down (%)	51.2
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	22321	$\eta$ house_up (%)	0.0
NOMINAL FLUX (lm)	22321.4	MAXIMUM @ (C, $\gamma$ )	15,64.5	$\eta$ house_down (%)	48.8
LAMPS INSIDE	1	$\eta$ up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	$\eta$ down (%)	100.0	SLI	22.704



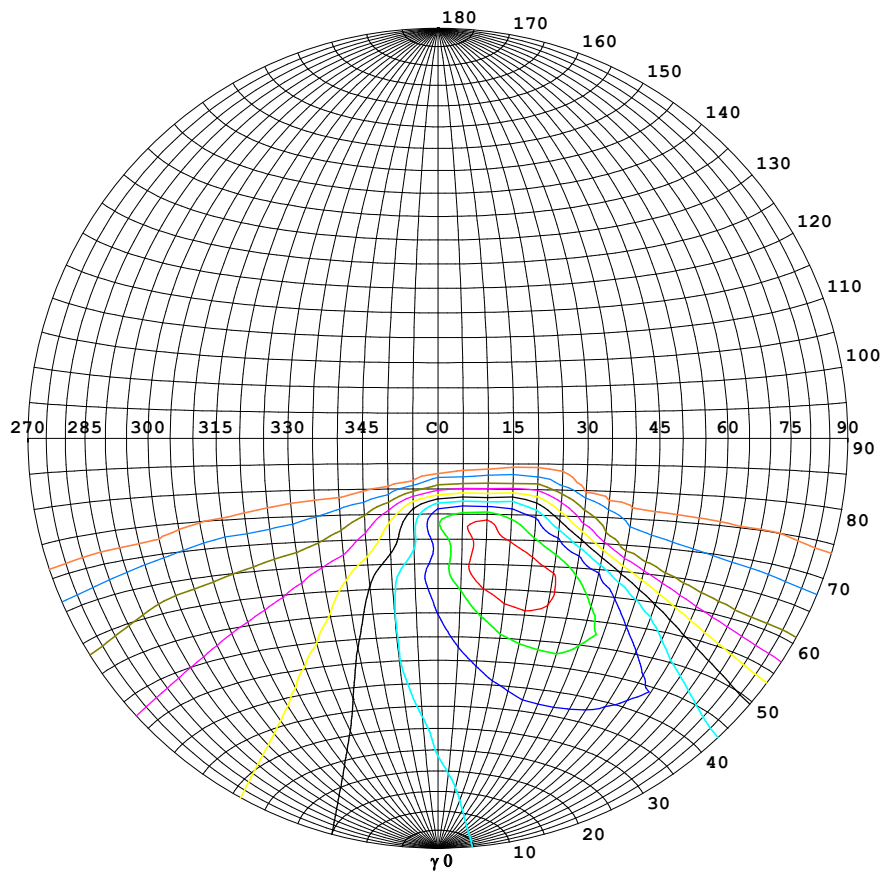
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-08-25

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 7.370m [K=1.0000]  
Remarks:

Note: SLI: Specific Luminaire Index

## STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.8V I:0.6853A P:149.2W PF:0.9858 Lamp Flux:22321.4x1 lm		
NAME: OPCITYIII-150W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:



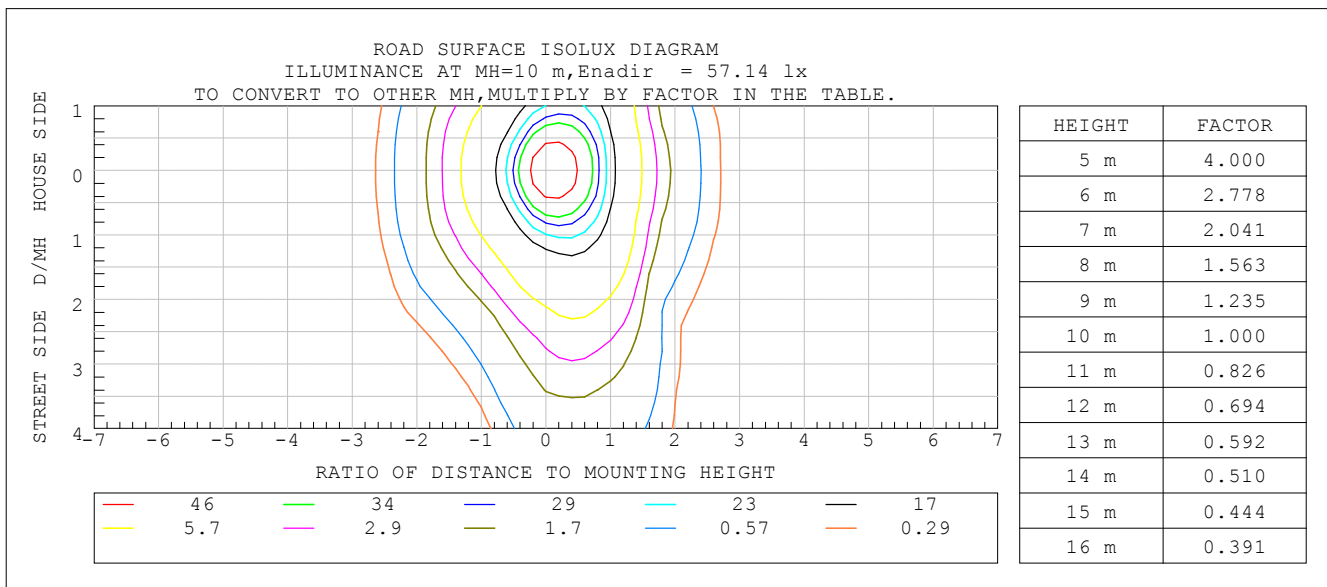
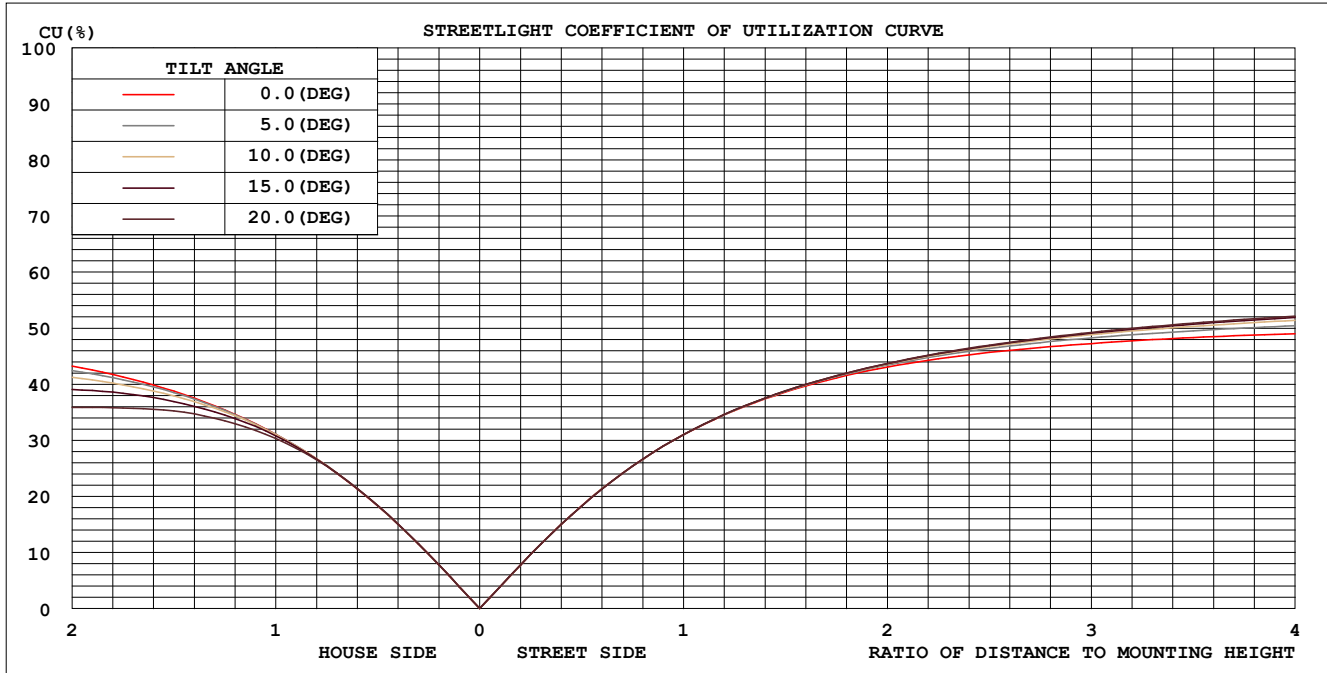
## Classification:

IES:Type IV - Short  
CIE:Broad - Intermediate  
IES:Semi cut-off  
CIE:Non-cut-off  
Max.At80:140.5cd/klm  
Max.At90:3.907cd/klm  
Max.80-90:140.5cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	9790
90%	8811
80%	7832
70%	6853
60%	5874
50%	4895
40%	3916
30%	2937
20%	1958
10%	979
5%	490

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-25

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-08-25

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 7.370m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

Test:U:220.8V I:0.6853A P:149.2W PF:0.9858 Lamp Flux:22321.4x1 lm		
NAME: OPCITYIII-150W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:

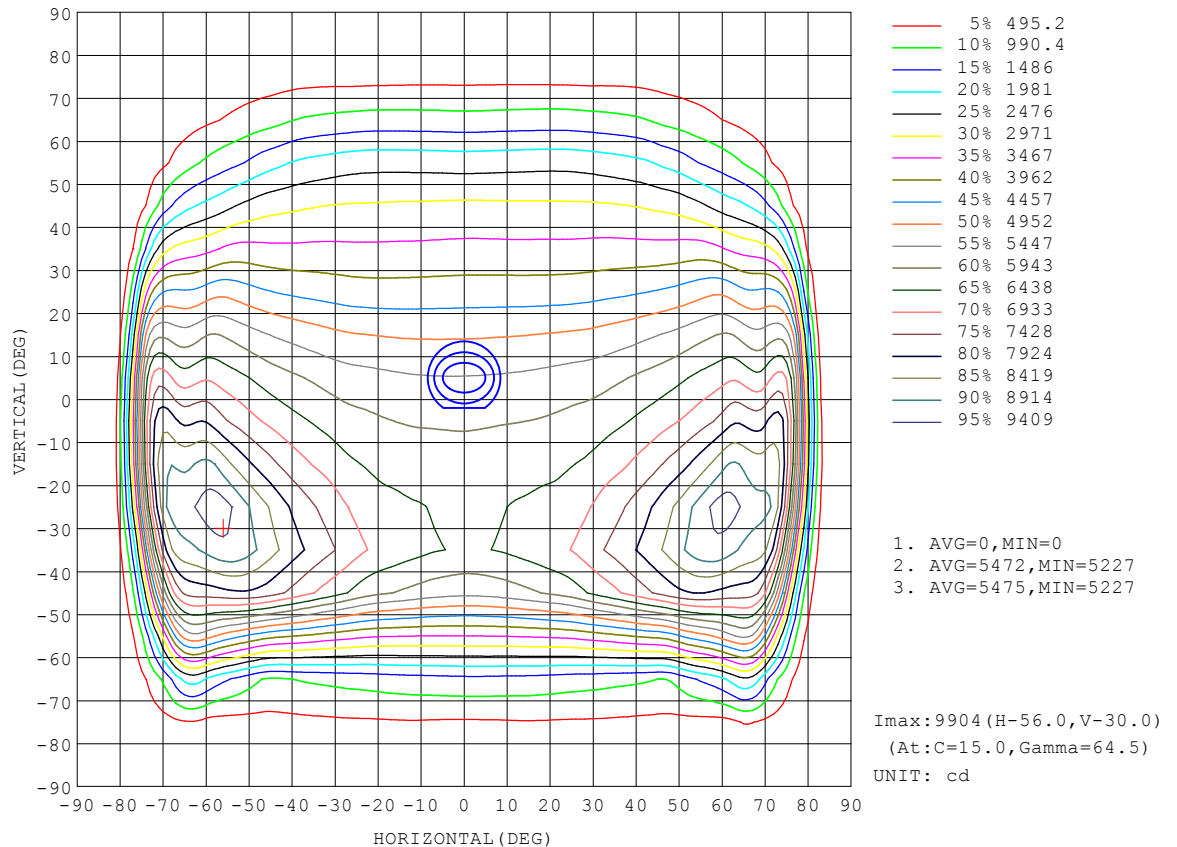
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\%lum, lamp$
5	5727	5842	5880	5831	5707	5539	5471	5551	0- 5	136.3	136.3	0.61,0.61
10	5738	5980	6046	5963	5709	5376	5228	5396	5- 10	406.6	542.9	2.43,2.43
15	5766	6120	6137	6094	5741	5210	4896	5236	10- 15	671.8	1215	5.44,5.44
20	5820	6239	6228	6229	5809	4946	4563	4985	15- 20	927.3	2142	9.6,9.6
25	5897	6383	6323	6378	5879	4652	4194	4702	20- 25	1172	3314	14.8,14.8
30	5965	6518	6418	6557	5986	4359	3824	4413	25- 30	1402	4716	21.1,21.1
35	6105	6718	6383	6822	6153	4072	3590	4123	30- 35	1624	6340	28.4,28.4
40	6266	6992	6348	7166	6313	3782	3357	3830	35- 40	1839	8179	36.6,36.6
45	6434	7272	5588	7434	6517	3549	3072	3595	40- 45	2033	10212	45.8,45.8
50	6648	7478	4828	7600	6763	3266	2788	3322	45- 50	2170	12382	55.5,55.5
55	6868	6814	3462	6929	6994	2919	2275	2983	50- 55	2233	14615	65.5,65.5
60	7122	5896	2096	5967	7310	2499	1762	2575	55- 60	2174	16788	75.2,75.2
65	7211	3231	1359	3181	7165	1841	1156	1947	60- 65	1961	18749	84.84
70	7279	1282	622.3	1163	7910	1119	549.0	1248	65- 70	1582	20331	91.1,91.1
75	7391	603.5	443.1	554.4	5823	477.8	331.9	535.6	70- 75	1186	21517	96.4,96.4
80	2628	359.4	263.9	333.7	881.2	229.4	114.9	257.5	75- 80	633.3	22150	99.2,99.2
85	189.7	102.5	0	96.36	91.11	47.90	0	53.70	80- 85	153.6	22304	99.9,99.9
90	87.20	0	0	0	77.04	0	0	0	85- 90	17.48	22321	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-08-25

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:7.370m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

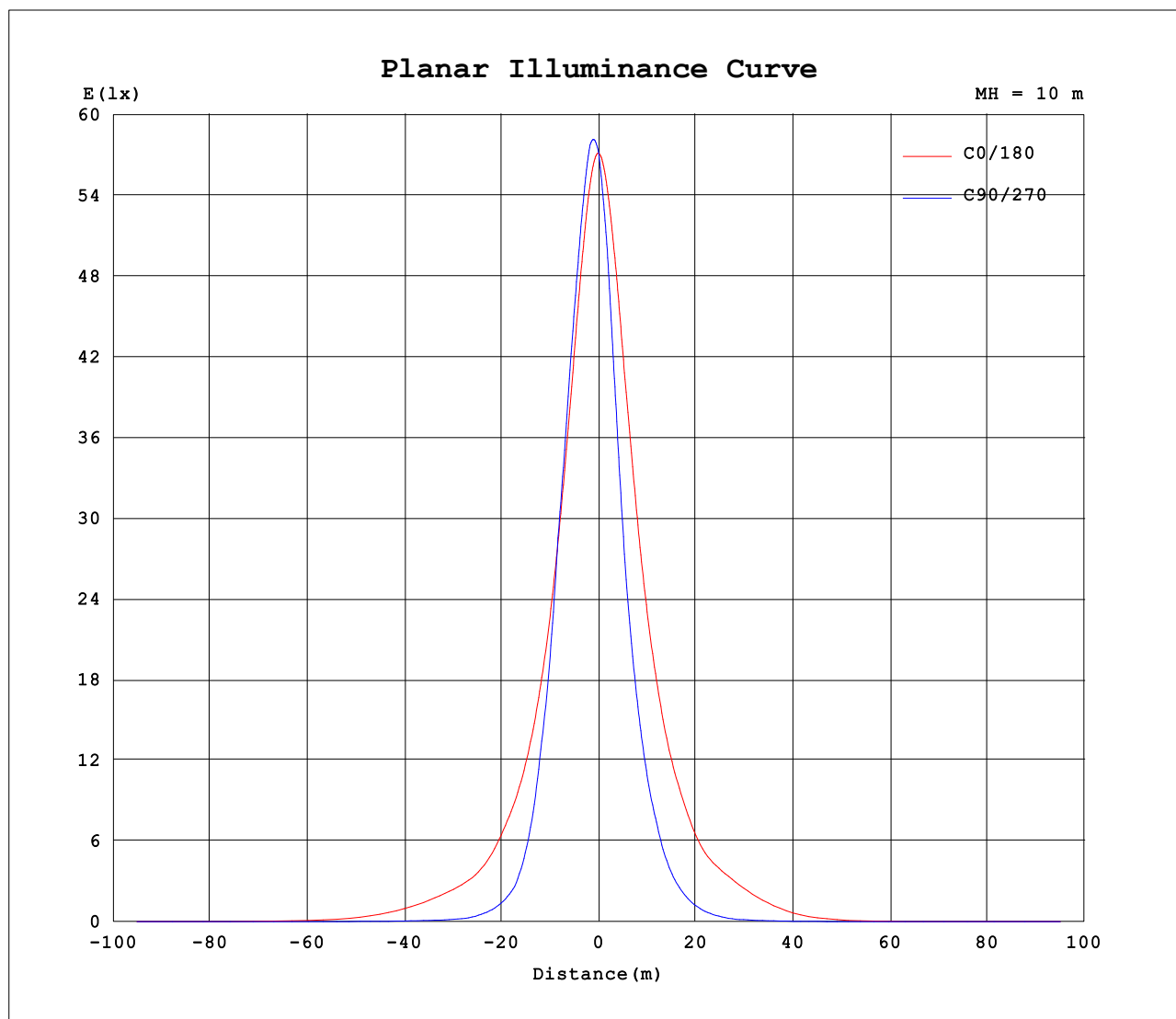
Test:U:220.8V I:0.6853A P:149.2W PF:0.9858 Lamp Flux:22321.4x1 lm		
NAME: OPCITYIII-150W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-25

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



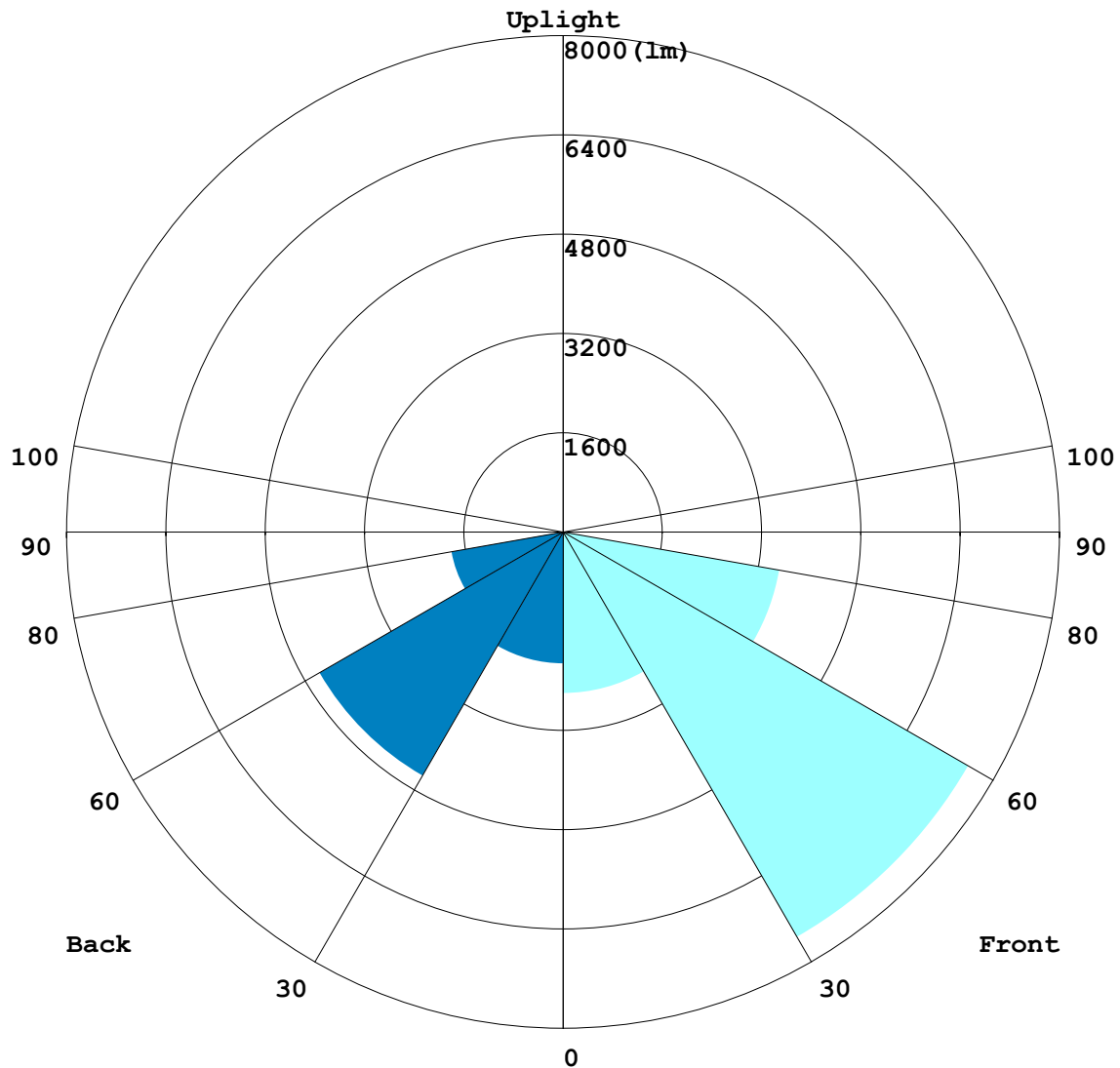
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-08-25

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 7.370m [K=1.0000]  
Remarks:

## LCS REPORT

Test:U:220.8V I:0.6853A P:149.2W PF:0.9858 Lamp Flux:22321.4x1 lm		
NAME: OPCITYIII-150W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:

## LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-25

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

### BUG REPORT

Test:U:220.8V I:0.6853A P:149.2W PF:0.9858 Lamp Flux:22321.4x1 lm		
NAME: OPCITYIII-150W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:

#### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2596.5	11.6
FM - Front-Medium(30-60)	7537.9	33.8
FH - Front-High(60-80)	3536.4	15.8
FVH - Front-Very High(80-90)	126.02	0.6
Total Forward Light	13797	61.8

BL - Back-Low(0-30)	2119.6	9.5
BM - Back-Medium(30-60)	4534.4	20.3
BH - Back-High(60-80)	1825.4	8.2
BVH - Back-Very High(80-90)	45.087	0.2
Total Back Light	8524.5	38.2

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B3-U0-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	8524.5	0	8524.5
Street Side	13797	0	13797

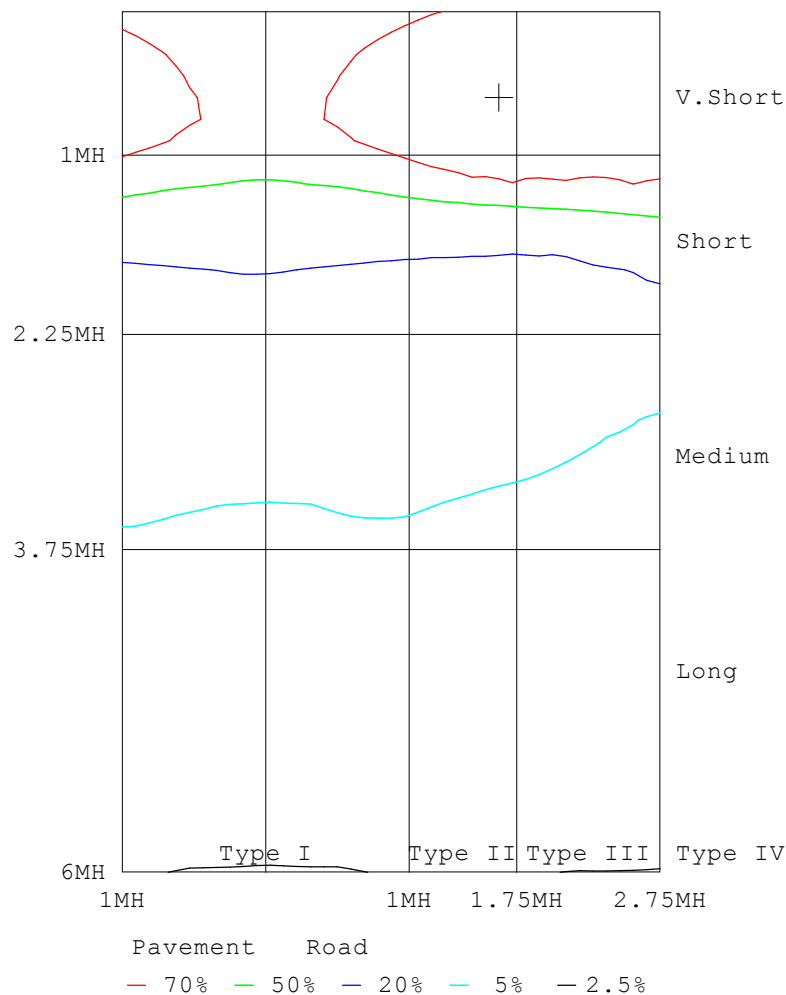
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-25

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

## ROAD ISOCANDELA REPORT

Test:U:220.8V I:0.6853A P:149.2W PF:0.9858 Lamp Flux:22321.4x1 lm		
NAME: OPCITYIII-150W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-08-25

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:7.370m [K=1.0000]  
 Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```